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Title: The Brain's Code and Its Canonical Computational Motifs. From sensory cortex to the default mode network, a multi-scale model of brain function in health and disease

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## Highlights

- We review the elementary cellular motifs that sustain brain activity
- We note that elementary motifs and brain networks at increasing scales are very similar
- Large-scale synchronous activity is proposed to be same of elementary cellular motifs
- Cellular dysfunction may be readily inferred by observations at the macro-scale
- Disparate observations in schizophrenia may stem from interneuron dysfunction

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